

# RUN



## FIRST LEVEL CALORIMETER TRIGGER RACK LAYOUT

RACK  
M103

Calorimeter Trigger  
Control Grate  
Cbus FanOut  
1x QFN, 6x B8B  
Limiting FanOut  
10x TLM

ETA +1 TO +4  
PHI 1 TO 16  
BBA \* 168  
MBA = 169

POWER SUPPLIES  
-4.5V @ 200A -5.2V @200A  
-2.0V @ 250A -5.0V @ 600A

ETA +1 TO +4  
PHI 17 TO 32  
BBA \* 176  
MBA = 177

POWER SUPPLIES  
-4.5V @ 200A -5.2V @200A  
-2.0V @ 250A -5.0V @ 600A

RACK  
M104

POWER SUPPLIES  
-5.2V @ 200A -5.0V @ 200A

ETA -1 TO -4  
PHI 1 TO 16  
BBA \* 168  
MBA = 172

POWER SUPPLIES  
-4.5V @ 200A -5.2V @200A  
-2.0V @ 250A -5.0V @ 600A

ETA -1 TO -4  
PHI 17 TO 32  
BBA \* 176  
MBA = 180

POWER SUPPLIES  
-4.5V @ 200A -5.2V @200A  
-2.0V @ 250A -5.0V @ 600A

RACK  
M105

SECOND\_TIER\_CRATE  
ETA \* 8 ..... 8  
BBA = 152  
MBA = 153

ETA +5 TO +8  
PHI 1 TO 16  
BBA \* 168  
MBA = 170

POWER SUPPLIES  
-4.5V @ 200A -5.2V @200A  
-2.0V @ 250A -5.0V @ 600A

ETA +5 TO +8  
PHI 17 TO 32  
BBA \* 176  
MBA = 178

POWER SUPPLIES  
-4.5V @ 200A -5.2V @200A  
-2.0V @ 250A -5.0V @ 600A

RACK  
M106

POWER SUPPLIES  
-4.5V @ 600A -5.2V @ 1A  
-2.0V @ 300A -5.0V @ 50A

ETA -5 TO -8  
PHI 1 TO 16  
BBA \* 168  
MBA = 175

POWER SUPPLIES  
-4.5V @ 200A -5.2V @200A  
-2.0V @ 250A -5.0V @ 600A

ETA -5 TO -8  
PHI 17 TO 32  
BBA \* 176  
MBA = 183

POWER SUPPLIES  
-4.5V @ 200A -5.2V @200A  
-2.0V @ 250A -5.0V @ 600A

RACK  
M107

THIRD\_TIER\_CRATE  
BBA = 152  
MBA = 159

ETA +9 TO +12  
PHI 1 TO 16  
BBA \* 200  
MBA = 201

POWER SUPPLIES  
-4.5V @ 200A -5.2V @200A  
-2.0V @ 250A -5.0V @ 600A

ETA +9 TO +12  
PHI 17 TO 32  
BBA \* 208  
MBA = 209

POWER SUPPLIES  
-4.5V @ 200A -5.2V @200A  
-2.0V @ 250A -5.0V @ 600A

RACK  
M108

POWER SUPPLIES  
-4.5V @ 600A -5.2V @ 1A  
-2.0V @ 300A -5.0V @ 50A

ETA -9 TO -12  
PHI 1 TO 16  
BBA \* 200  
MBA = 204

POWER SUPPLIES  
-4.5V @ 200A -5.2V @200A  
-2.0V @ 250A -5.0V @ 600A

ETA -9 TO -12  
PHI 17 TO 32  
BBA \* 208  
MBA = 212

POWER SUPPLIES  
-4.5V @ 200A -5.2V @200A  
-2.0V @ 250A -5.0V @ 600A

RACK  
M109

SECOND\_TIER\_CRATE  
ETA \*-16.....-9 -..9.....-16  
BBA = 152  
MBA = 154

ETA +13 TO +16  
PHI 1 TO 16  
BBA \* 200  
MBA = 202

POWER SUPPLIES  
-4.5V @ 200A -5.2V @200A  
-2.0V @ 250A -5.0V @ 600A

ETA +13 TO +16  
PHI 17 TO 32  
BBA \* 208  
MBA = 210

POWER SUPPLIES  
-4.5V @ 200A -5.2V @200A  
-2.0V @ 250A -5.0V @ 600A

RACK  
M110

POWER SUPPLIES  
-4.5V @ 600A -5.2V @ 1A  
-2.0V @ 300A -5.0V @ 50A

ETA -13 TO -16  
PHI 1 TO 16  
BBA \* 200  
MBA = 207

POWER SUPPLIES  
-4.5V @ 200A -5.2V @200A  
-2.0V @ 250A -5.0V @ 600A

ETA -13 TO -16  
PHI 17 TO 32  
BBA \* 208  
MBA = 215

POWER SUPPLIES  
-4.5V @ 200A -5.2V @200A  
-2.0V @ 250A -5.0V @ 600A

RACK  
M111

SECOND\_TIER\_CRATE  
ETA \* 20.....17 -..17.....20  
BBA = 152  
MBA = 156

ETA +17 TO +20  
PHI 1 TO 16  
BBA \* 224  
MBA = 225

POWER SUPPLIES  
-4.5V @ 200A -5.2V @200A  
-2.0V @ 250A -5.0V @ 600A

ETA +17 TO +20  
PHI 17 TO 32  
BBA \* 224  
MBA = 226

POWER SUPPLIES  
-4.5V @ 200A -5.2V @200A  
-2.0V @ 250A -5.0V @ 600A

RACK  
M112

POWER SUPPLIES  
-4.5V @ 600A -5.2V @ 1A  
-2.0V @ 300A -5.0V @ 50A

ETA -17 TO -20  
PHI 1 TO 16  
BBA \* 224  
MBA = 228

POWER SUPPLIES  
-4.5V @ 200A -5.2V @200A  
-2.0V @ 250A -5.0V @ 600A

ETA -17 TO -20  
PHI 17 TO 32  
BBA \* 224  
MBA = 231

POWER SUPPLIES  
-4.5V @ 200A -5.2V @200A  
-2.0V @ 250A -5.0V @ 600A

ETA: + 8 through - 8

ETA: +16 through +9 and -9 through -16

ETA: +20 through +17 and -17 through -20